

FUGITIVE EMISSIONS DETECTION DEVICES

ABSTRACT OF THE DISCLOSURE

The present invention relates to detection and alarm systems for predicting and detecting the location of spills, leaks, emissions, and/or pollution sources, i.e., unwanted fluid (liquid/gas) flow/escape, at refineries, e.g., oil and gas refineries, and plants, e.g., petrochemical, chemical, pharmaceutical, and food processing plants, and avoiding said unwanted flow/escape. According to one embodiment, said system comprises at least one detector, at least one battery powered radio frequency transmitter, preferably, according to one embodiment, a 900 megahertz spread spectrum transmitter, and a central processing location which, according to one embodiment, is preferably capable of handling up to 3000 points in a single cell site.